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SOURCE Newspapers as indicated.

MACHINES, EQUIPMENT FORMERLY IMPORTED
 NOW MADE IN YUGOSLAVIA

NEW LENS-GRINDING MACHINE -- Red, No 152, 28 Jun 49

The "Metalbakelit" (Metal Bakelite) Plant in Croatia has produced the first automatic machine for grinding optical lenses ever made in Yugoslavia. It will be put into service within a few days in the Yugoslav optical glass factory, which is the only one of its kind in the Balkans.

The new machine can grind 16 lenses of different kinds and dimensions in one operation. While the machine is in operation, any of the 16 vertical axes can be started or stopped independently of the others.

Four other machines identical with the one just completed are nearly finished and will be put into operation soon.

Several thousands of lenses of various kinds, for cameras, eyeglasses, microscopes, and other precision instruments, will be ground this year by these machines. Such items always had to be imported in the past.

FIRST LOCOMOBILE STEAM BOILERS PRODUCED -- Borba, No 149, 25 Jun 49

The Steam Boiler Plant in Zitnjak, near Zagreb, which was begun about the middle of 1947 and completed in December 1948, has already produced the first series of horizontal locomobile steam boilers ever to have been made completely in Yugoslavia.

According to the plan, the most important parts of the boilers were to have been imported from Czechoslovakia, as the plant did not have the necessary machinery for their manufacture. Contracts for the shipment of these parts were made with Czechoslovak firms.

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After the suspension of deliveries from Czechoslovakia, the workers at the plant taught themselves to make all the necessary parts. This involved learning the technique of electric welding, which had never been used before in Yugoslavia except in a few cases of local importance, and much hand labor.

NEW HEAVY-INDUSTRY PRODUCTS DEVELOPED -- Rad, No 149, 24 Jun 49

New products developed at the "Djuro Djakovic" Enterprise in Slavonki Brod include small locomotives for forest railroads and steam rollers, both of which are now being serially produced in Yugoslav factories from Yugoslav raw materials, and steam shovels, which used to be purchased abroad at high prices and were subject to delays in delivery.

The plant is now developing an excavator that will serve as a bulldozer, crane, carrier, and tamper.

FIRST YUGOSLAV RECUPERATORS SUCCESSFUL -- Borba, No 154, 30 Jun 49

The Ironworks at Vares has begun the serial production of recuperators, which are used in steel foundries. Good results have been obtained from the use of these regenerators, the first ever made in Yugoslavia, in the steelworks at Zenica.

NEW-TYPE CULTIVATOR MADE -- Borba, No 159, 6 Jul 49

The "Proleter" Farm Equipment and Tool Factory in Leskovac recently began the serial production, from Yugoslav materials, of a new type of cultivator never before made in Yugoslavia. The new machine has two large wheels and handles, three hoes in front and six at the back, with three small wheels and regulators for adjusting the depth of cultivation. The main regulator controls the direction.

The cultivator is designed primarily for thinning and hoeing sugar beets, corn, potatoes, hemp, etc. In 8 hours it can hoe 4.3 hectares of land, doing the work of 86 men.

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